**Gwydir Shire Council**

**Bingara Sewerage Treatment Plant - EPA License 586 - Yearly Summary**

**Point 1: Yearly Summary November 2018 to October 2019**
**Note: discharge only occurred during July, August, September and October 2019**

| Pollutant | Units | 90 percentile concentration limit | Monitoring Frequency required by the License | Number of data points for the year | Minimum value | Maximum value | Mean | Exceedences |
|---|---|---|---|---|---|---|---|---|
| Biochemical oxygen demand (BOD) | mg/L | 20 | Special Frequency | 4 | 16 | 28 | 21 | Yes |
| Total suspended solids (TSS) | mg/L | 30 | Special Frequency | 4 | 4 | 23 | 14 | No |
| Oil and Grea | mg/L | 10 | Special Frequency | 4 | 5 | 7 | 5.5 | No |
| pH | pH | | Special Frequency | 4 | 7.8 | 7.9 | 7.8 | |
| Conductivity | ms/cm | | Special Frequency | 4 | 0.63 | 0.74 | 0.69 | |
| Nitrate+nitrit e (oxidised nitrogen) | mg/L | | Special Frequency | 4 | 2.7 | 9.6 | 5.1 | |
| Nitrogen (am | mg/L | | Special Frequency | 4 | 5.9 | 11.7 | 8.4 | |
| Phosporous | mg/L | | Special Frequency | 4 | 5.4 | 7.2 | 6.2 | |
| Total Kjeldal | mg/L | | Special Frequency | 4 | 7.2 | 12.7 | 10.5 | |
| Faecal Colifo | CFU/100ml | | Special Frequency | 4 | 2 | 980 | 305 | |
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**Point 3: Yearly Summary November 2018 to October 2019**
Note: Samples collected at point 3 on the following months - Nov 18, Dec 18, Jan 19, Feb 19, March 19, April 19, May 19 and June 19

| Pollutant | Units | 90 percentile concentration limit | Monitoring Frequency required by the License | Number of data points for the year | Minimum value | Maximum value | Mean | Exceedences |
|---|---|---|---|---|---|---|---|---|
| Biochemical oxygen demand (BOD) | mg/L | 20 | Special Frequency | 8 | 6 | 85 | 19 | NA - no discharge |
| Total suspended solids (TSS) | mg/L | 30 | Special Frequency | 8 | 5 | 52 | 26 | NA - no discharge |
| Oil and Grea | mg/L | 10 | Special Frequency | 8 | 5 | 5 | 5 | NA - no discharge |
| pH | pH | | Special Frequency | 8 | 7 | 9.5 | 8.5 | |
| Conductivity | ms/cm | | Special Frequency | 8 | 0.56 | 0.87 | 0.63 | |
| Nitrate+nitrit e (oxidised nitrogen) | mg/L | | Special Frequency | 8 | 0.7 | 6.2 | 2.1 | |
| Nitrogen (am | mg/L | | Special Frequency | 8 | 0.1 | 11.3 | 4.4 | |
| Phosporous | mg/L | | Special Frequency | 8 | 1.8 | 6.1 | 4.1 | |
| Total Kjeldal | mg/L | | Special Frequency | 8 | 2.5 | 15.1 | 7.1 | |
| Faecal Colifo | CFU/100ml | | Special Frequency | 8 | 2 | 64000 | 10543 | |
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